

SEQUENCE LISTING

<110> Gurney et al.

<120> SUSCEPTIBILITY GENE FOR MYOCARDIAL INFARCTION, STROKE, AND PAOD;
METHODS OF TREATMENT

<130> 30847/40792A

<140> To be assigned

<141> 2005-01-31

<150> US 60/642,909

<151> 2005-01-10

<150> US 10/830,477

<151> 2004-04-22

<150> US 10/769,744

<151> 2004-01-30

<150> PCT/US03/32556

<151> 2003-10-16

<150> US 60/419,433

<151> 2002-10-17

<150> US 60/449,331

<151> 2003-02-21

<160> 717

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<212> DNA

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 aagcaccagg aaaaagtagg gtcatgtaag tcaaagcagg aaaaaagttc catggtgggg 180
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 agcataatat ctattcttag aaaataacat taacacaaat agaaacaag aaaccataat 180
 gttaaaaata ttacatagya acacagaaag acaatgtata attatacata cgcactaaag 240
 caaagataac ataatttata aattatgagg tacagaatag ttagattctg aaaattaaaa 300
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 cattttctag gaagttgatt ctacaacaca ttttggtttt ccaatttggc ttctaataat 180
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 tttccacatt ttagaacatt taaaaagata tctacaaccc gagtctaata ataaaaaaaa 300
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 aaaaacatgt tcattttacra tactaaatta gaagtgttag aatgggagaa aaacttcata 240
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 tctctctggc aaattgttta gggagtctct ttagtttatc agactaaatt tcaaggcttt 180
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gccaccttgt taatgcaaat ttgagtaaat tgttacttct tttaggcctt gtttttgctg 180
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gttttgtttt tctgacagta tgggtctctgt ggtccaggct ggagtgcaga ggcacaatat 180
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tagctgggat tacaggcatg tgccaccaca ccctcgaact cctgacctca agtgatctgc 300
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<213> Homo sapiens

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cattgttttc ttactggtaa agtgggaata tctagaagtt gcatgctaca taaattcaac 300
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tattatgtat gtacatacat gctctcaggg ctacatgaa aaaacagcca ttcaggatgat 300
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<212> DNA

<213> Homo sapiens

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cattcagggtg atgtgattta tctcatatgc ttactttaga gtcaacaggg tgttgactcc 180
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 ccatagccag ctaagatagt gagatggtag cccactgtc ttgcccaggc tggactcgat 180
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 agtcaccatt ccagcctact tgtctttaat tcttaaaaaat attaagtgtg agttttgtct 300
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 gtagctggga ctacaggcgc ccaccaccag gccagctaa tttttgtatt tttagtagag 240
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atttctaaga ctattaaaya ttagacttac gtagcccttc tgctattgtg aaatacatag 240
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aagctaagta agcacagttt atggattttg ggaatttttg ccttgcatth gtctgatatg 360
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<213> Homo sapiens

<400> 524

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gaatggatga cacaatacca tattataaaa gcactttaca aactgtaact tatgttataa 180
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gtgcagcatg gtttccaacc ctgacagcat ggaagaatca tttatttagc ttctaaaaat 360
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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agtgatgacc ctgaaaggat caatatatta aagcccctcc cagctgggtca ttccagattg 360
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ctcttttgtt ggagtggcag aaaatgctag ttgaccaccc aatattcaaa ttatcctgcc 300
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ccctgtgata gggccctggg ctaacttatt gggaaaatgt tgctgtaacc cctgcccaga 180
ggtgcctgtg acatgggcyg ccatcttctc ctcttccctt ggcttcagcc ccacctagaa 240
acctgaacaa acattttcct tgacatttca taaagtgtca gtggctcctc atttagcaaa 300
atacatccca gggaagtcca aaagtgaaaa aaggccgtaa cttcttcttc ttctcaggga 360
cctacagaaa atatgtggca cctcggcagc ctggcc 396

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<210> 536
 <211> 396
 <212> DNA
 <213> Homo sapiens

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agaaaattta aaaaacaaaa accatgaaac cctttcccag aggcaacaac cagaattcca 180
tttatctttc attgaccara acagaccaca tggtcactgg tgggtggcaat ggagactggg 240
gagatgaata tttttaagggt ggcataattcc agaagaacac tgtgactga ttgcattaat 300
gaaccatta atgtgccaag gggaggttta cctatgagca tgggcaaat agaaccact 360
cttgagctg cagggtgagcc aatcccacct aaacag 396

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<210> 537
 <211> 396
 <212> DNA
 <213> Homo sapiens

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 gcatgggcaa attagaacccc actcttggag ctgcagggtga gccaatccca cctaaacagt 180
 gtggatgcta caagatggrg aagtaaattg attctattcc ataccctaac ctctctccaa 240
 gatgtattct taaaatagaa gaggggaagac agaagaaaac atccagaata tttttttatt 300
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<210> 538
 <211> 396
 <212> DNA
 <213> Homo sapiens

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 aacatccaga atatatTTTT attgtctttt acttcttcag tgcatttttag atcagtgcct 180
 ctcaatctgg caagggggcrt gcaggaggat gtgagtttta tcaggaaaac tacacaaccc 240
 cccaaccaca atgctacccc cactcctgtg gaccttcttt aagagagact cactattata 300
 gatggagttg atacgatttt aagagaggcc atatattatt tgctttctgt cttgaaaaac 360
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<210> 539
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 <212> DNA
 <213> Homo sapiens

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 tctgaaatta aaatttaaatt tggggggcct gtattttact gggcaaccca ttgcaatat 180
 cagcaacaat ctcttattsa gaccactgat taagtgtgca aaatttgaat ctctgaacag 240
 tacctatgtc cttgatatct taaattaatg agtgtcttag acactcaaag caggaggaag 300
 cattatggca gatgtttgag cccagagat gtccatgagc acagcataga gctcagagcc 360
 ttctttatta tttgcttcac gacagagcaa aggact 396

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 <213> Homo sapiens

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 gagctcagag ccttctttrt tatttgcttc acgacagagc aaaggactgc agcagggttg 240
 ctgatataaa agttttacca tgtctcacag caggcccttg ctcaagtttc cagtaaggat 300
 attgtatcat ttcttgccctg cagtacttgt aaatccactt acactgacctg ctgttgagtc 360
 atttgtttcg tcttgagtag catgtcatcc ttgttc 396

<210> 541
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 541
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tctctctggc catgctggyg tgcattgagct cactaatctt cctttttgct ttccattttc 240
tccaatcctg acttagcaaa gggtgggcaa aagagactct gtgtgagttc gagcaaagcc 300
tgagatgctg gattttccaa gatacgagaa ggggctgggg gctgggtgaa ctggtggtgg 360
aggaggggaag gattaatttc ccaaggaggg gaaggg 396

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<210> 542
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 <212> DNA
 <213> Homo sapiens

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aaaagagact ctgtgtgart tgcagcaaag cctgagatgc tggattttcc aagatacgag 240
aaggggctgg gggctgggtg aactgggtgg ggaggaggga aggattaatt tccaaggag 300
gggaaggggc caggacatca ggccccgggg actttgaaga gagggctcgt ggtaggaggt 360
agatcaagtg gagtgcacac aaggtcagga aagagg 396

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<210> 543
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 <212> DNA
 <213> Homo sapiens

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tgttttctgaa ccaaatttct tctagaattt tattccataa atctgaatta tgggtgtcaga 180
ctcctagcat acactaaakg aactctctgc cttgcattaa ataacaggag ttacccttgg 240
aggtaactcc tagccctggc tcttttagaga acagatgccg aataggcatt aggggatgtg 300
atggatgtgc taactttcaa aaaaaaaaaa aaaaaaggc ctgagctgag tgctcagaga 360
ttcacaaaaa gctgcacaga tctctctgtt ccattg 396

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<210> 544
 <211> 396
 <212> DNA
 <213> Homo sapiens

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tgtcttattg gggttttgct atgttagatg agacattggg tacaaagcac ttgggtcccg 180
gcctggcaca tttactgcrc ttaatgtatg atagttttct tattattcta ataaacaata 240
tggtcttggg agtatagttc tgccacattg cagtggccag agtgaagggt gtgagtgcct 300
tctggggccc tgggagtcac gggttatccg atgccctttc ttgcttgctc ctgagtgtgg 360
ctgcctctat gtccacacca tgcagatgca acaggt 396

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<210> 545
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 545
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gaaatatgta tatatagtaa tagtaaaata tcagcactta atggcctgat aagaatgtca 180
ctgcaatgct gagtttgggc caacatttgc ctgctcctgc cattgagccc gggctcccct 240
ccagagctga gctgctgcaa gggatctgag taactagggc tgtgtcagag tggcgatgac 300
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<210> 546
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 <212> DNA
 <213> Homo sapiens

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 ctgccattga gcccgggctc ccctccagag ctgagctgct gcaagggatc tgagtaacta 180
 gggctgtgtc agagtggcra tgacagccac cacatgctaa ggaagagatc cccaaggaca 240
 aggagaatcc cacgtggagc tacttgcttc tttgtcagtc ttgtttttct tatttcacaa 300
 ccttctaaaa cacaatctct caacctctat tgtagcttg catttttcaa tcatgagcac 360
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<210> 547
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 <212> DNA
 <213> Homo sapiens

<400> 547
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 caacaacagg gaaagggaca ccggcctcat accattagat ggtgtgtagc ctgggcatga 180
 ggataattaa aaactcccwa ggggatttta acatgtaaca cagtttggaa accattgatg 240
 taagatcttc ttactcaaca tgtgctccaa ggagctgttg tatcagctta tcagaaatgt 300
 agatcaggcc gcacttggac ctgtagaatc agaatctgca ttttatcaga ttccgacatt 360
 atttgtatga acattagctt ttgagaagtg ttgctt 396

<210> 548
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 <213> Homo sapiens

<400> 548
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 ggaggggaata cagattaaaa tcagccaaag gaagaagcac acagcacaga gtccaggaca 180
 gtgcctgaca tggagcccyt acggtcctct cccgtggagt cacggacagc gccactctcc 240
 tggcattgat gtgtgacaac acacagggag tgttccccac caggggaagcc ttggtgtcca 300
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<210> 549
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 <213> Homo sapiens

<400> 549
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 agcttctgtc catgtggagc ggggggtgcac caccctctca gtacatgaat gagttctcct 180
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 ggaagcttca agacacccac attctttccc cagagtatag ggcaagacct tctctgggga 300
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 cgggcaggtg aaaggggtag ggggagtagg tgagaa 396

<210> 550
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 550
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cagaaagggtg ggggtggggkc aagattagag tcttgccctg acgggcagggt gaaaggggta 240
gggggagtag gtgagaaaaa ttctgtttat tttttctttt tttttttgag acggagtttc 300
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<210> 551

<211> 396

<212> DNA

<213> Homo sapiens

<400> 551

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cttctctggg gaggttttta agaccacag tcagaaagggt ggggtgggggt caagattaga 180
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ttttttcttt ttttttttga gacggagttt cactcttggt gcccagggtg gagtgcattg 300
gcacaatctc agctcactgc aacctccgcc tcccagggtt aagcgattct cctgcctcag 360
cctcccagat agctgggatt acaggcgtgt gccacc 396

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<210> 552

<211> 396

<212> DNA

<213> Homo sapiens

<400> 552

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accttgacct ttgaggtcat gacagccctc tcttgctatg ctcatagctg accactgaac 180
tcttgacac tccctccsc aagttcacag agaattgtgg cacatgcctt acagtcttcc 240
cttgatccaa actactgct tcatcttgag tgacagcagc atcttttgga tgtcttggtg 300
tgtctagctt tatttttttg tgttctgcca tcaagttgct acttctgttg ccatcgtgcc 360
tgtcagcgca gtgcaggctg tgggtgaaatc ccacga 396

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<210> 553

<211> 396

<212> DNA

<213> Homo sapiens

<400> 553

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tctcagttgt cagctagttg tgcaatgaag ggaaagggtg ctacactttc caagcctcaa 180
ttcactcatc tatggcatkg tgacaataat ggagggtgat ttaaagtcct ttgtaagaat 240
taagagttat aatagacata aagtgtgtga tctggtatag ctagaaaaca ttccataaaa 300
gttagtaatt gttgggtcatg taatgatgac tctctagggt aggatttcag cttcattgca 360
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<210> 554

<211> 396

<212> DNA

<213> Homo sapiens

<400> 554

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tctgtctcag taacctcatc tgaggaccgg gataatcata ccgcttcaaa gggatgtcat 180
aaagattaaa taatatgtrt aaggctgctt gcatttagct gcattcaaca aatatttctg 240
tatctttctc ctcatctctc cttaactttc tgettattat ctgctctagg tatagatttc 300
agagaactaa gcttggttaca atccttcata aaataaccag gttgggttagg gcatttccaa 360
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<210> 555
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 <212> DNA
 <213> Homo sapiens

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 atccttcata aaataaccag gttggttagg gcatttccaa gagtcaatac tgtttagtga 180
 ctattctctg tttaatctmt tttgattgtc cagggtcac ttttgctatg tcataggttg 240
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 aggatattcc gctgaaaaac tcatgtcagt tctaattcgt gattgtaatt caatcacagc 360
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<210> 556
 <211> 396
 <212> DNA
 <213> Homo sapiens

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 tttggaaaat gtgattggca tttttttcta attttcta atgatacgct gtcggatgct 300
 atgattact taaacctctt ggctacctag aaagatcttt aagtgggtct caacaagctt 360
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<210> 557
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 557
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 tgtaaatgtt attatctctc aggatgtgtg agaacatctg tttttcttct aatgcagtaa 180
 acatataagg gtctcttgrg atatctttta aatagactta atacaacatt caggaatgat 240
 aacaaaatat aatcacagtt gtaagggaat gtgagcattt catattaata acattggaac 300
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<210> 558
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 558
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 aaacatataa gggctctctg ggatatcttt taaatagact taatacaaca ttcaggaatg 180
 ataacaaaat ataatacarg ttgtaaggga atgtgagcat ttcataattaa taacattgga 240
 accttatgtt taatacagtg ttaaaagttg acaaacatgt aggagtcaga aaattcaatt 300
 aaaattatca cagtaatatg aatttagcca catcctgtgt tagttatgaa atccatttaa 360
 caccacaaac agtaatatct ttagccagtt tattca 396

<210> 559
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 559
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gcatgttgca aaatttttkt caataaaaagg cagaaaaaga aatctcttct ccatgctcat 240
ccctaagaga atgggttggtc tgtaccctga gagcatttta tggaggggac aaccactttt 300
ctaattttcc ttcccacttc tctgtgggca caaatgctct ttgggtgaaa gagttgtaat 360
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<210> 560

<211> 396

<212> DNA

<213> Homo sapiens

<400> 560

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aatggaagag gcatggccct ttgggatgtg gttccccaac cctcccaca tcatcttttc 180
aatcagattt cccactaart ggaaattttt tcaggtcctc aactttatgg tgactttctc 240
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ttcctctggg aagattttcc tgacatcctc tataaaaaaa gattgagata gttgactacc 360
caaatggttt cccattcatt ccaagctcta ttcaag 396

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<210> 561

<211> 396

<212> DNA

<213> Homo sapiens

<400> 561

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acagattgca ttcctcatct tttctgaagc tagcaatggc catgcaacag cattctggcc 180
aataagatag aagtcgaart tgaagggtgg gatttccaag aaagctcgtt gaagacataa 240
ttcctcattt cacttcttac tctttctctt tcctgcttcc taaaatgcgg tgcagatggc 300
agacacttca aagctgtctc aggcaatcag gtgatgttaa ggcagaaacc agctttatga 360
tgggtagaac aggaagaaa gaggcaccta tgttct 396

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<210> 562

<211> 396

<212> DNA

<213> Homo sapiens

<400> 562

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tctagtgggt cctgcaagaa ctgattgtta aaagagcttg gatccttcca cccctctctc 180
actcttgctt cctctctcwc accttgtaat ctctacaagc tcttcacctc cccttctcct 240
tttgccataa gtggaagatt tctgaggcct caccagaagc agatgttggt tccatgcttc 300
ttgtacagcc tgcagaacca tgagccaaat caacttcttt tctttataat tatccagtct 360
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<210> 563

<211> 396

<212> DNA

<213> Homo sapiens

<400> 563

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cagaacaatg aatgtaggct ctgtatacaa gttcaggctg ctgggcaact taggccttaa 120
gacacaactc tgccacttag gccttaagac acaactgaca tgatgggtgct taaagtggct 180
gtgatggaaa aggaggctrt ttggagcctt tggagtgcct ttataggtga accccagcat 240
agcaccta at gatttgagc aaagctgtgt cattcccaa agataactat tcgccttttg 300
agaaacatct tctagctact atcaataata aacacagaat gcatcaccat gggccaccgt 360
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<210> 564
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<210> 565
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 565
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 atcttctagc tactatcaat aataaacaca gaatgcac caatgggcca ccgtgttgtc 180
 ttttgacctg agtttccayt gtgaacaaga gtcatttgat ccaaggcaga aagtgtgggt 240
 cacacagcag tgttccatca tcaaattgaa tatgagattg ggccaagta ggtcctgcag 300
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<210> 566
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 <212> DNA
 <213> Homo sapiens

<400> 566
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 aatatgagat tgggcccarg taggtcctgc agacacaaat aagttgcaag agcaagtagt 240
 acaggcgctt ggccctggcca gtactgttgc caagttgact gcttcccctc agtctgcac 300
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<210> 567
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 567
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 atatggatac ctctgaacac acacaaaaca tgagaatatg tatcccatat gaatgttaac 180
 caaagagcag ccacaacasa agaggatttt aaaatcagct gaataagatg attcattctg 240
 acagcatcag ctagtctctt tccccagcca ctgttgccca gtgggcttac atatatcatg 300
 gccatggggg cagggtctatg tatggacaca gcaacatgaa tttccactca tcaaggccaa 360
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<210> 568
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 568
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agaagaggat	tttaaaatca	gctgaataag	atgattcatt	ctgacagcat	cagctagtct	180
ctttcccccag	ccactgttrc	ccagtgggct	tacatatatc	atggccatgg	gggcagggct	240
atgtatggac	acagcaacat	gaatttccac	tcatcaaggc	caatttggct	ccagccattg	300
ctgagtgtc	agcctgccaa	gatagaaatc	tacgccaata	tggcaccatt	ccctgggcta	360
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<210> 569

<211> 396

<212> DNA

<213> Homo sapiens

<400> 569

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aggagaaatt	ggactgccac	ttcacatga	gggtgaggag	tatgtactct	atgtgtctgt	180
gattaatgtc	aatagaaart	gacaccaacc	tagtacacag	aggactgatc	atggtccagg	240
cccttcagga	atgaagattt	gagtcaccag	gcaaggaact	tggactcact	gaggagggca	300
tattccaagg	agaatatattt	atctatgtcc	atctatgtcc	atctatatcc	catctgtgtt	360
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<210> 570

<211> 396

<212> DNA

<213> Homo sapiens

<400> 570

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tgcataatatt	aaccagttta	tttattttatt	attatttttt	gagatgagct	ctcgccatgt	180
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gctgggacta	caggcatgca	ccaccatacc	cagctgacca	gttttttctc	attcctctac	300
ttaattttctc	tactatacaa	cataatatgt	gttaaatggta	gttaacttta	tatctcagta	360
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<210> 571

<211> 396

<212> DNA

<213> Homo sapiens

<400> 571

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tcaactgatt	ctaccattta	gtcctccgag	tagctgggac	tacaggcatg	caccaccata	180
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gtgttaaatg	tagttaactt	tatatctcag	tattaagtca	caagatatca	aaaagggaat	300
gcgacttagt	tacaagcaga	atgaatatca	ctcaaagatg	aataaagaga	agaggggttag	360
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<210> 572

<211> 396

<212> DNA

<213> Homo sapiens

<400> 572

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tatttttagt	agagataggg	ttttgccatt	ttggccagac	tgtcttgaac	tcctgacctc	180
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ccggccttaa	cctttgtttt	cttacacaac	acactacgtg	atgttttcca	catgcatggg	300
tcatttgctt	catttacgta	caaatgcata	agcaatatat	tgtgtggtgt	gagtttgtga	360
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<210> 573
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 573
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<210> 574
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 574
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<210> 575
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 <212> DNA
 <213> Homo sapiens

<400> 575
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 ctctgccaca tgataattgt gagaactacc agggctcttca ttctcctgcc atctggttga 300
 cctctccaag aatggacacc cgggcagcct gggccaatga ggctgtccta agagtttaga 360
 tgagagaagt cagtctttga caggtgatgg aagctg 396

<210> 576
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 576
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 aatttttaac tggggattat aactattgga cagtcaagtg caagagtga tacacttctc 180
 actccctcct cccaatttyt atttgcgga ttagtcagtc cccctctgcc acatgataat 240
 tgtgagaact accagggtct tcattctcct gccatctggt tgacctctcc aagaatggac 300
 acccgggcag cctgggcca tgaggctgtc ctaagagttt agatgagaga agtcagtctt 360
 tgacagggtg tggaagctgt aaaatgtaaa actcca 396

<210> 577
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 577
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aggagatcga gaccatccyg gctaacacgg tgaaaccccc gtctctacta aaaaatataa 240
aaaaaattag ccaggcgtgg tgggtgggtgc ctgtagtccc agctactgag gaggctgaga 300
caggagaatg gcgtgaaccc gggaggcaga gcttgcagtg agctgagatc gcgccactgc 360
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<210> 578
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 578
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ttatttatat attggttcag tttctctgga gagccttggc taatataaag tctatactct 180
acaaagtgcc ctaggtackc agggagtacc caagtgtgtc atgaccagcc cgacagccct 240
ggctgctggc ttccccgcac acaactctgc acgctgcctt catcagcctt tctctctcag 300
ctgaaccgag ggcattgaag cgggcctctg gcactgtacc tatgaggagg caatatcttc 360
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<210> 579
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 579
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aggatatttg cattttccwt gtaacctcag agggattgac attcacactg atctgagctg 240
cagaatacca ggcagccacc tcacccaccc agcagggtcca ctcttatact ttctcagaaa 300
gcacagccac tctactctta ttcagttgaa aagaatttcc aggaaggtgt ttctgcgatt 360
gcctcagaaa agtcagttcc ctttggggaat ttccct 396

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<210> 580
 <211> 396
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<400> 580
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<210> 581
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 <212> DNA
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<400> 581
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ttagttaaaa aaaaaaaaaa aaaaaaaaaa aggaag 396

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<210> 582
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 582
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 ggtaaggaaa gcccttcamt cagggaagaa cagaaggagg gatttttctt gatgggttgtt 240
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 tctttatatt cttcttttta tttgaatgta taggggttgtg tgtatttctg tgtaaatttg 360
 gggttttcct cctcttagtc tttcactttt gtggtg 396

<210> 583
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 583
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 ttttttctcc tgaagaaact tttttttttg gtgatacctt ctttttctct agcacgtata 180
 attttgaag catttttct atgcagtgtg tacttcagaa agagagagag agagaggaaa 240
 attgtcctgt tcagcgtttg catttccatt attcctgcta ttagttaaaa acaacaacia 300
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<210> 584
 <211> 396
 <212> DNA
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<400> 584
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 aacaaaaaac aagcaggata cctagatctg gaaaaggag aattgtgtag agctgtcttc 180
 ctaaagttct gagttaggrc tgccctcagac cactttcata actatctcca gtggctttgt 240
 gttttatatt tattaagata gagaaaaaaa gagtaattac taagggcagc tgctgtagct 300
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<210> 585
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 585
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 gaaaggctca gcttcacaca ctccaagtat gttttctaca agaactacac tttgtggctt 180
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 caaatggctt atttaggcca ccattttctt gagccattat gatttcacac agggctccct 300
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 ctctggccca gatagtattc tgggtacagg cggata 396

<210> 586
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 586
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gaccctgctc	tggcccagat	agtattctgg	gtacaggcgg	atagagcagg	aaacaaaaca	360
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<210> 587

<211> 396

<212> DNA

<213> Homo sapiens

<400> 587

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agtattctgg	gtacaggcrg	atagagcagg	aaacaaaaca	gctacagtga	tggacaggtc	240
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cacttattca	gctctggaag	gatctcccct	ctggcctctc	ccctgacacc	catcaataaa	360
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<210> 588

<211> 396

<212> DNA

<213> Homo sapiens

<400> 588

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gctctggaag	gatctcccct	ctggcctctc	ccctgacacc	catcaataaa	actgaggagc	300
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<210> 589

<211> 396

<212> DNA

<213> Homo sapiens

<400> 589

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<210> 590

<211> 396

<212> DNA

<213> Homo sapiens

<400> 590

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<210> 591
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 <212> DNA
 <213> Homo sapiens

<400> 591
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 caggggcctc actaacagag ttcccgggaag tgatgagtgt gctgggggct tcctgggtga 180
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<210> 592
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 <212> DNA
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<400> 592
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<210> 593
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 <212> DNA
 <213> Homo sapiens

<400> 593
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 acctcaatgt tgcaaccata gacctacctt acagagtcca aaaaaatatg caaaaaccct 180
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 agatttccat ggtgttacca ggcactgtac acagtctgtg tccaagaca aggaggtaca 300
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<210> 594
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 <212> DNA
 <213> Homo sapiens

<400> 594
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 gtaacccttt ccagcttgat ccagcagaat gcagatttgg aaaaacagaa cgagtttaaa 180
 atacatgatt ctaagaaayc tggaccagaa ctatcaaaac ttggtttccc agagaatata 240
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 gcaaggctgg ccagcaagga gacaggagtt gggctcaaat ctgtctcccc agtttggggc 360
 ttagggcaag ttttaattac acagacgcat ttctta 396

<210> 595
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 595
 aaccctttcc agcttgatcc agcagaatgc agatttggaa aaacagaacg agtttaaaat 60

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aaatgggctc attggccaat actatgacat tggcttttga gaaaagaaag gctttattgc 180
aaggctggcc agcaaggara caggagtgg gctcaaactc gtctcccag tttggggctt 240
agggcaagtt ttaattacac agacgcattt cttatgagta gcaggcagag agcctccaac 300
ttcttctgcc taggtaccag cagcttagac atgatgcaaa cctgggaagc acatactgta 360
tttgagaaaa gtgattggga agaaatgtga gctgag          396

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<210> 596

<211> 396

<212> DNA

<213> Homo sapiens

<400> 596

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caaggctggc cagcaaggag acaggagtgg ggctcaaactc tgtctcccag gtttggggct 180
tagggcaagt ttttaattaya cagacgcatt tcttatgagt agcaggcaga gagcctccaa 240
cttcttctgc ctaggtacca gcagcttaga catgatgcaa acctgggaag cacatactgt 300
at ttggagaa agtgattggg aagaaatgtg agctgagggg aggggctcag tgccccctgag 360
ctacacttag tgatggcaga ggaaggatgt cctccc          396

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<210> 597

<211> 396

<212> DNA

<213> Homo sapiens

<400> 597

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atactgtatt tggagaaagt gattgggaag aaatgtgagc tgaggggagg ggctcagtgc 180
ccctgagcta cacttagtra tggcagagga aggatgtcct cccgcaggag gctgttccac 240
atctgctctg gttgtagggg gagctggcag gcattagcag cggcctcttt cccccaagag 300
aggcagcttc ctccaagttt tggcgacatt atggccctgc aatcataagg gtttgtgagc 360
atagtgctaa ggaggggaaat ggagctgctg ttacta          396

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<210> 598

<211> 396

<212> DNA

<213> Homo sapiens

<400> 598

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atcctcctgc ctgcacctcc caaagtgtcg ggattacagg catgaaacca gcctagaaat 180
acatactatt atttattcyt gttttacaga taagcaaagt gagtcatgga gaatttgggt 240
gaaagtccca aggtcaggag tcgtgaagct gggattaaaa cctaatacatc tgactttaga 300
gagtagacac ttgctccatg catattgcct ccaattcatt cattcaagca ctccctgctc 360
aagaagttct ttcttatgtt gagctgaaat ctgcag          396

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<210> 599

<211> 396

<212> DNA

<213> Homo sapiens

<400> 599

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tcatctgact ttagagagta gacacttgct ccatgcatat tgcttccaat tcattcattc 60
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ttttaccacag cagtccctgg gctgttccct aaaatcactt agactgtgcc tgctctttct 180
gtgtttacag tgctcagctrt aatatcccc tcttcggcct aacgtttctg aagtcccttg 240
ccactgggtc tcctctcctc ttctgtgtt ctttctaaga acacctatgc agataggtgt 300
cttctgtaca gggaagctgt tcctgagatc cgggcacga ctctgttaga ataactctacg 360
tatgagttat ttttttgaga actatgtgtc attgct          396

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<210> 600
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 600
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 tcttcggcct aacgtttctg aagtcctctg ccactgggtc tctctctctc ttctgtgtt 180
 ctttctaaga acacctatrc agataggtgt cttctgtaca gggaagctgt tcttgagatc 240
 cgggcatcga ctctgttaga ataactctacg tatgagttat ttttttgaga actatgtgtc 300
 attgctgact catattaact ctgtgggttaa ctaaaatctc aagatctctt tatgtttgtt 360
 gagaaactta ttttaacttct ctggccctcc gtttcc 396

<210> 601
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 601
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 ctctctctct cctgtgttct ttctaagaac acctatgcag atagggtgtc tctgtacagg 180
 gaagctgttc ctgagatcyg ggcacgcact ctgttagaat aatctacgta tgagttattt 240
 ttttgagaac tatgtgtcat tgctgactca tattaactct gtggttaact aaaatctcaa 300
 gatctcttta tgtttgttga gaaacttatt taacttctct ggccctccgt ttccttctact 360
 gagcagtggg gtgattgata acctccacct gtggtt 396

<210> 602
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 602
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 atattaactc tgtggttaac taaaatctca agatctcttt atgtttgttg agaaacttat 180
 ttaacttctc tggccctcmg tttccttcac tgagcagtgg agtgattgat aacctccacc 240
 tgtggttgct gaaggtcttg cacaagatga tatagttaaa gtagctagca gtgcccacgt 300
 acggcgggatg cctcacaacg gtttgcagcc atctctctat ctgtgtcttt gtctctctct 360
 cacactgggt ttggttact gtttagcagct agccga 396

<210> 603
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 603
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 tctggccctc cgtttctctc actgagcagt ggagtgattg ataacctcca cctgtggttg 120
 ctgaaggtct tgcacaagat gatatagtta aagtagctag cagtgccac gtacggcgga 180
 tgccacacaa cggtttgcmg ccatctctct atctgtgtct ttgtctctct ctcacactgg 240
 ttttggttta ctgttagcag ctagccgaga taagtgtgtt tatggtcttt gcatgtattg 300
 tttctgtagc atactggagg attacaagag gttggggagt gagggggcgg tgaggagtag 360
 acaaaggcag ccaactcttc caagtttagc ttagaa 396

<210> 604
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 604
 ttgataacct ccacctgtgg ttgctgaagg tcttgcacaa gatgatatag ttaaagtagc 60


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tagcagtgcc cacgtacggc ggatgcctca caacggtttg cagccatctc tctatctgtg 120
tctttgtctc tctctcacac tggttttggc ttactgttag cagctagccg agataagtgt 180
gtttatgggc tttgcatgya ttgtttctgt agcatactgg aggattacaa gaggttgggg 240
agtgaggggg cggtgaggag tagacaaagg cagccaactc ttccaagttt agcttagaag 300
gaaggagcgg taaaccctag ttgaatgttg gactgaagca ggtttgtttt tgttttgttt 360
aaaggatagg gaagatctgt gcgtgtttcc aggata 396

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<210> 605
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 605
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tacggcacat cgtgctgctg gttgtagaaa taacctctga cttttaataa agtcatccct 180
cgggtatccct gggggatrrg ttctatgacc tccctcggat gccaaaattc gtggatgctc 240
aagtcacctga tataaaatgg catagtattt gcatttaacc tacacacatc ctccatatcc 300
tttttttttt tttttttttt tttttttttt tttttgtgag atggagtctt gctctgtcgc 360
cctggctgga gtacagtggc tcgatcttgg ctact 396

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<210> 606
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 606
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gtaacaagaa aaaaaatctg tacatgttca gtccagacaa atggttttct gttttttttt 120
ttttttttta atatttttgg tcagtggttg gttgactcca ggaatgcaga acccgcat 180
atagaaggtt gattatgcrt tcagaggcag ggaataccat cttgggttcc agaaagaaaa 240
tgatcagcat tttctgtcat actctggtaa aaacagatct tttgaatgga caggtgtatt 300
aaacctgtg gagctggctg ggcttggcgg ctacgcctg taatcccagc actttgggag 360
gctgaggcag gtggatcacg aggtcaggag ttcgag 396

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<210> 607
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 607
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aaagctctgt gacggaatac atggcaagtg cccaccacat tgcttgggat gaggtggg 180
cttcctttac gtaagagarc cctacagata cactcaaagt gggcacattc ctacagaagg 240
agtgttattt gtgtagaaaa gaaaaacatg aaaggctttt attcctatac acaataaagc 300
acccctttta tgtctttttg aggaggataa tatgaaattg atgaaaagga accctgtgg 360
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<210> 608
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
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<222> (227)..(326)
<223> n = A,T,C or G

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<400> 608
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gaggataata tgaaattgat gaaaaggaac cctgtggttg gatccctgac aatcacatgt 180

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atcccttttt tcaactcttra aaaaggagta aaggaataaa atagaannnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnatgt ttcagtcact gtataataac tagccagatt 360
ttttgttggt gttgttttgt ttttgttttt gttttt 396

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<210> 609
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 609
acattctgaa ccacagacag ttctttaccc tgaacctttg catattttgt tctcttagct 60
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cttagatgtc attccctcaa ggaatccttc tgtgactcaa catggaatta agttgcctcc 180
tttgacctg aaagcaccrt gtactcaatc tcatcttggc atgactcact ttgctgtgtg 240
gaatgtctgc tttccttggt tgtctattcc tttagactgt aagatcctag aaagtggggg 300
ccgtgccttg ctcatgactg tgtttctaac accaaacaca gtgttcagta gagagcagct 360
gctgagtacg tttctgctaa atgacagttg atggag 396

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<210> 610
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 610
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tctattcctt tagactgtaa gatcctagaa agtggggggc gtgccttgct catgactgtg 180
tttctaacac caaacacart gttcagtaga gagcagctgc tgagtacgtt tctgctaaat 240
gacagttgat ggaggacatt tagggttgct tggagggtcaa gtcaaggagg catttaacat 300
tctagtaaaa caaggaagta acaggctcct gaacatgcc acaatgaacc agatgcaaac 360
cttttcctt ggcaggattc tttgcccata aagtgg 396

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<210> 611
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 611
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tttccttggt tgtctattcc tttagactgt aagatcctag aaagtggggg ccgtgccttg 120
ctcatgactg tgtttctaac accaaacaca gtgttcagta gagagcagct gctgagtacg 180
tttctgctaa atgacagtkg atggaggaca tttagggttg cttggaggtc aagtcaagga 240
ggcatttaac attctagtaa aacaaggaag taacaggctc ctgaacatgc ccacaatgaa 300
ccagatgcaa accttttccc ttggcaggat tctttgccc taaagtggag cacgaaagca 360
ggacccagaa tgggaggagc ttccagagga ccggaa 396

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<210> 612
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 612
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cagatgcaaa ccttttccct tggcaggatt ctttgcccat aaagtggagc acgaaagcag 180
gacccagaat gggaggagyt tccagaggac cggaacactt gcctttgagc ggggtctacac 240
tgccaagtga gtcctaacc tgatgttgct aataagtggg ggcatgggca ggggggcctc 300
cttctaggag tgatgaccac ccttaatacc acatgtctgt ctgagccaag tttctgagcg 360
ccaggagggt gaggaaggtt ggacttcacc agagag 396

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<210> 613
<211> 396

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<212> DNA
<213> Homo sapiens

<400> 613
ggcattttaac attctagtaa aacaaggaag taacaggctc ctgaacatgc ccacaatgaa 60
ccagatgcaa accttttccc ttggcaggat tctttgcca taaagtggag cacgaaagca 120
ggacccagaa tgggaggagc ttccagagga ccggaacact tgcctttgag cgggtctaca 180
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ccttctagga gtgatgacca cccttaatac cacatgtctg tctgagccaa gtttctgagc 300
gccagggagg tgaggaagggt tggacttcac cagagaggct ttgtggacac cctttatcat 360
cttagtgagt gctagtgtca aaacaaaggg agtggg 396

<210> 614
<211> 396
<212> DNA
<213> Homo sapiens

<400> 614
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cccataaagt ggagcacgaa agcaggaccc agaatgggag gagcttccag aggaccgaa 120
cacttgccct tgagcgggtc tacactgcca agtgagtcct aaccctgatg ttgctaataa 180
gtgggggcat gggcagggrg gcctccttct aggagtgatg accaccctta ataccacatg 240
tctgtctgag ccaagtttct gagcgccagg gaggtgagga aggttggact tcaccagaga 300
ggccttcttg acacccttta tcatcttagt gagtgtctag gtcaaaacaa agggagtggg 360
gatattggggc acattggttg agggaggtgt gatctc 396

<210> 615
<211> 396
<212> DNA
<213> Homo sapiens

<400> 615
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gaacacttgc ctttgagcgg gtctacactg ccaagtgagt cctaaccctg atgttgctaa 120
taagtggggg catgggcagg ggggcctcct tctaggagtg atgaccaccc ttaataccac 180
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agaggctttg tggacaccct ttatcatctt agtgagtgtc agtgtcaaaa caaaggaggt 300
ggggatatgg ggcacattgg tggagggagg tgtgatctct gcagcttcag aaagatctga 360
aagagtcatt tggtagaga agttgaccta tttcct 396

<210> 616
<211> 396
<212> DNA
<213> Homo sapiens

<400> 616
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cagaaagatc tgaaagagtc atttggtagt agaagttgac ctatttctg tggggtaga 120
ccagggttgc tactgtgaac accagccatg actcaccagt caccttcaga agccacaggc 180
aggacatgct gacgacagyc ttcaactcac ccaccccttg ctccctgagc ggtggaagtc 240
tggaggtgac accactgcat tttctaacac gggggctcct tgagcaacta gaacaagaac 300
agaaagaatg gggacattag caggtgcttt cccctctctc cattcttttc tttgaataaa 360
aagggtgttt gaaaacacct gagcggctcc taaaga 396

<210> 617
<211> 396
<212> DNA
<213> Homo sapiens

<400> 617
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actatggact acggactagg ggctgtcac agaggaaggc ctcatgctag agagctaagg 120
gaggagctgg ccttcagttc catcccagga gcaactttga tgttcccaga gatccttcca 180

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aaggggggagt catgggtcamc caagaaaaat gtattcagaa tgccaagaat ggtgcaaact 240
caggacaaaag attcacactg caggggttggg gtccctggggc ttgctgctgg caccatggga 300
gggagggtcc ccttcagggg taccgttggg ttctgtgaa ttaactggc ttcaagggat 360
ctcgactgaa caggcctata tcacactcac tgatat                                     396

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<210> 618
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 618
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tggggcactc tcgaacgcat tagtacggta gtcacagggt gattgcctgg ccccttgccc 180
tctgtgggca ttttccttyt cagacagccc ctgagtactc acagtgctgc tacagtgggc 240
cacctagatc tccctctttc tccatgctcc cagtgctctc gggctccact cccttctccc 300
aagcacttct gtccaggggt attccagcag tctgacctca aggaaatcct ttgctaaact 360
gattatagag aggtttctat tttaacattt aggtct                                     396

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<210> 619
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 619
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tcctccattg cagtttttca ttggctgctt tgctccctca gctccgaaat cgctgggcca 120
ctctcgaacg cattagtagc gtagtcacag gttgattgcc tggccccttg ccctctgttg 180
gcattttccc tttcagacwg cccctgagta ctacacagtgc tgctacagtg ggccacctag 240
atctccctct tttccatgc tcccacgtgc tctgggctcc actcccttct cccaagcact 300
tctgtccagg gctattccag cagtctgacc tcaaggaaat cctttgctaa actgattata 360
gagagggtttc tattttaaca tttagggtctt ccatgt                                     396

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<210> 620
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 620
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ctttgtctcc tcagctccga aatcgctggg ccactctcga acgcattagt acggtagtca 120
caggttgatt gcttgcccc ttgcccctctg tgggcatttt ccctttcaga cagcccctga 180
gtactcacag tgctgtctaya gtggggccacc tagatctccc tctttctcca tgctcccacg 240
tgctctgggc tccactccct tctcccaagc acttctgtcc agggctattc cagcagtctg 300
acctcaagga aatccttttg taaactgatt atagagagggt ttctatttta acatttaggt 360
cttccatgta ttaattctca gaatcaattt aagatg                                     396

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<210> 621
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 621
cctttcagac agcccctgag tactcacagt gctgctacag tggggcacct agatctccct 60
ctttctccat gctcccacgt gctctgggct ccactccctt ctcccaagca cttctgtcca 120
gggctattcc agcagtctga cctcaaggaa atcctttgct aaactgatta tagagagggt 180
tctattttta catttaggyt ttccatgtat taattctcag aatcaattta agatgtttta 240
aggtgtgatt taagacattt taaaaccatt tggaggagag tacagaaatt atgtcacttg 300
ctgtcagcct ctttgcacca tctgcagaga aagatactag agtcccgcct tggacacatc 360
cacatgcaag aggtgcaaag aaggtgtctt tgatga                                     396

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<210> 622
 <211> 396

<212> DNA
<213> Homo sapiens

<400> 622
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 aggagagtag agaaattatg tcaatttgctg tcagcctctt tgcaccatct gcagagaaag 120
 atactagagt cccgccttgg acacatccac atgcaagagg tgcaaagaag gtgtctttga 180
 tgaggcaagg tcaaaactyc tcccagacg aaatccaaag aaagcattcc tactatgcta 240
 tatcagtttg gaaagaaaaa cttctgccag gtgactgcat tctcaactgg cacttgtgt 300
 tcctatggac tctcagctc aaccaatttg gagaagtat ggtgcaattt caccatctct 360
 ggtagaagt taagtttcca atttgcctggc aatgaa 396

<210> 623
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 623
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 cattcctact atgctatata agtttggaaa gaaaaacttc tgccagggtga ctgcattctc 120
 actggtcaca ttgtgttctt atggactcct cagctcaacc aatttggaga agttatgggtg 180
 caatttcacc atatctggyt agaagttaag tttccaattt gctggcaatg aagaagaaat 240
 ggagcaggcc aggtctgtgta gtttctgcca cgtgcccccg ggagtgaaca gctctgtttg 300
 taagaagcca tgggtgcttag acctgggctc gctagtgtgc agcctccaaa ttgcagaagt 360
 gccctttggg tgggtggctat gctgtgtcac ttggga 396

<210> 624
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 624
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 gctacatgct ggcaaaagcc agaggcagct ggtctgtttg cctgtgccag gaaaccactg 120
 ggaatggggg tgtgtgttat tctaggagaa agtcgtccca gcagcagctt ctccaggggc 180
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 ctcaaaattt ttggttcatg ggggtgtggga tcataa 396

<210> 625
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 625
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 gcatccaaga gcaactgaaa ggggtgcaag atgacccatg aggctgcagg aagaaaagaa 180
 catgcattta atcttgctrt ctgaaaagta agacatgaag ctttctcat ttttaataata 240
 cacatggaca gtagtatgtg tatatagttt atatgcaaat atacttgta taaggttgca 300
 tgctcaaaat ttttggttca tggggtgtgg gatcataaat gtttagggac catggctatc 360
 aaggaaaaac agcatgaagg ataaatgata ctgggtg 396

<210> 626
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 626
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 tgtgtatata gtttatatgc aaatatactt gttataagggt tgcattgctca aaatttttgg 120
 ttcattggggg gtgggatcat aaatgttttag ggaccatggc tatcaaggaa aaacagcatg 180

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aaggataaat gatactggyg gattaaaaag acagatgcat gtatttttag cataaaacac 240
aactgctgac tgatacagat agctcaagat tctggggcag ctgctgaaca gatacactag 300
ccagtgtggc tcatcggctc agacttggcc ttaattaatg ggctgtccct ccacccatct 360
cccatgaggg cagagctgag ccagggtttg agagct 396

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<210> 627

<211> 396

<212> DNA

<213> Homo sapiens

<400> 627

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tgatactggg ggattaaaaa gacagatgca tgtattttta gcataaaaca caactgctga 180
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ctcatcggct cagacttggc cttaattaat gggctgtccc tccacccatc tcccatgagg 300
gcagagctga gccagggttt gagagctaaa aggaattgga cctggactct gttcacgtgt 360
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<210> 628

<211> 394

<212> DNA

<213> Homo sapiens

<400> 628

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gtatttttag cataaaacac aactgctgac tgatacagat agctcaagat tctggggcag 60
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ggctgtccct ccacccatct cccatgaggg cagagctgag ccagggtttg agagctaaaa 180
ggaattggac ctggactcdg ttcacgtgta tattttaatt ctaattaatt cattctttt 240
aaagacagag tcacactctg ttgcctaggc tggagtgcag tggcacgac ttggctcact 300
gcaacctcgg cctcccagg tcaagttatt ctctgcttc agcctcctga gttagctggga 360
ttataggcac atgcccccat gcctgactaa tttt 394

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<210> 629

<211> 396

<212> DNA

<213> Homo sapiens

<400> 629

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gctaaaagga attggacctg gactctgttc acgtgtatat ttaattcta attaattcat 60
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gctcactgca acctcggcct cccagggttc agttattctc ctgcttcagc ctcttgagta 180
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gggtttcacc atgtcaggct ggtcttgaac tctgacctc aggttatcca cccgccttgg 300
cccctcaaag tgttgaatt acagggtgtg gccaccgtgc ctggcctgtt cacatgtata 360
aaacacagtt taatgtccta tccccagcca atgagc 396

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<210> 630

<211> 396

<212> DNA

<213> Homo sapiens

<400> 630

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aggtgtaatt ttctaaatgg attacaagtt catggacttt taacagggtg tacaggggat 300
aacaagttct ttatagacag acttttgagg acgtttaagg gtattctgat tcttggtttt 360
ctaagagggg aatgtattat ttaactacag acaccc 396

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<210> 631

<211> 396

<212> DNA

<213> Homo sapiens

<400> 631

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aaaatccaga ataataataa tttgtcaata ggaaagacat ttccactggg ggttaagaag 60
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cttcaccttg tttcattctc acaacagtct aggggaagtaa ttactaatgt ctccatccac 180
ctcttgtaga tgagcaaayt gaggctcatt gaggctagga aatgcaccca cactcacata 240
gcccataaga ggcagccatg gcattggggc cagaccatgt gaacttcaaa gactacacga 300
gcagccactg ggcagctgtc atgggctaaag ccacttgaat tcagcccagc agcaaccccc 360
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<210> 632

<211> 396

<212> DNA

<213> Homo sapiens

<400> 632

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tttcattctc acaacagtct aggggaagtaa ttactaatgt ctccatccac ctcttgtaga 180
tgagcaaact gaggctcayt gaggctagga aatgcaccca cactcacata gcccataaga 240
ggcagccatg gcattggggc cagaccatgt gaacttcaaa gactacacga gcagccactg 300
ggcagctgtc atgggctaaag ccacttgaat tcagcccagc agcaaccccc tctccaggag 360
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<210> 633

<211> 396

<212> DNA

<213> Homo sapiens

<400> 633

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tgagaatatt ctggaaatcc acaggaggaa cccattttct tacagctggg agaatttcat 120
tcaactccag gctgaccatg ttttattagg aacgaagggtg acttgaacta atagtcagga 180
atgggtgaat acggaccocra tgtcaaatca ctaggcagtt cacatttcta atgagcaaatt 240
cccttagaca attaagaatt tttttccttt tgcataaccc agacaaaatc gctacttaaa 300
aacaaccaa agacccgaaa catgagaaa agaaaggaagc aggggaaatc tttggtacta 360
ataagttttt aaacaataag agcaccagat atttta

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<210> 634

<211> 396

<212> DNA

<213> Homo sapiens

<400> 634

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atgagcaaatt cccttagaca attaagaatt tttttccttt tgcataaccc agacaaaatc 60
gctacttaaa aacaaaccaa agacccgaaa catgagaaa agaaaggaagc aggggaaatc 120
tttggtacta ataagttttt aaacaataag agcaccagat attttacccc atcagacaca 180
gaatgttatt cgaataacsa aaaaaggaat tttttctcta agtttcttga actggaaaat 240
gaatcatatt ttctcagtc tgaggctgca attttgtgcc tctagtaaca tataagaata 300
gatgtgatgc cagtgccag tagctgctgc aattgttact tggggacctg tttattcact 360
aagcacttca cccagtgat aaattttagt gggcct

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<210> 635

<211> 396

<212> DNA

<213> Homo sapiens

<400> 635

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ccgtgtccat tagatcagtg gaaattcttg gattcagagc actttgcaag gtcagcaggg 60
gtctgtctct tctgtctgt tctgtgtttt tgggtgtgcc tggattccag ggtaggtttc 120
tcactgttta ccttcataga cttctccaga aaaggatctt ttgaccatca gaggaccacg 180

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aagattccat tgggtgaggyg cagataacct gatctctctg ggttctctgc agggcacaga 240
tgaagggctg gccattccca agttctcagt ggtaccactg aggcattgaga ccctaattggt 300
ttgcatgagc agtttgaaaa ttgcatcttt gtttttacct atataatcac atgaaacccg 360
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<210> 636
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 636
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agcatcacat ggagggcctt ttaaaacaga tttctgggccc ccaacacaga gttttaaatt 180
ctgaaggcct gaggtgggyg tgaacatttg catttctaac atgttctcga tgctgctgcc 240
gcctctggtc ccgagagcat gcctggagaa ctgccacctt cgaccatgga ctgtgagaat 300
tcacatggac ctccagaatta taatcagctc ctccagtttta cagataagga aactaaatcc 360
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<210> 637
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 637
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tttctgggccc ccaacacaga gttttaaatt ctgaaggcct gaggtgggtg tgaacatttg 180
catttctaac atgttctcra tgctgctgcc gcctctggtc ccgagagcat gcctggagaa 240
ctgccacctt cgaccatgga ctgtgagaat tcacatggac ctccagaatta taatcagctc 300
ctcagtttta cagataagga aactaaatcc agagagattg ttttgccaat ggtgaacagc 360
tggttaaagt caggatggag actttaatcc tagtca          396

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<210> 638
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 638
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caacacagag ttttaaattc tgaaggcctg aggtgggtgt gaacatttgc atttctaaca 180
tggtctcgat gctgctgcyg cctctgggtc cgagagcatg cctggagaaac tgccaccttc 240
gaccatggac tgtgagaatt cacatggacc tcagaattat aatcagcttc tcagttttac 300
agataaggaa actaaatcca gagagattgt tttgccaatg gtgaacagct ggttaaagtc 360
aggatggaga ctttaattcc agtcaagtga cctttc          396

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<210> 639
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 <212> DNA
 <213> Homo sapiens

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<400> 639
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acagagtttt aaattctgaa ggctgagggt ggggtgtgaa atttgcatct ctaacatggt 180
ctcgatgctg ctgccgcckc tgggtcccgag agcatgcctg gagaactgcc accttcgacc 240
atggactgtg agaattcaca tggacctcag aattataatc agtctctcag ttttacagat 300
aaggaaacta aatccagaga gattgttttg ccaatgggtg acagctgggt aaagtcagga 360
tggagacttt aatcctagtc aagtgcacct tctctc          396

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<210> 640
 <211> 396

<212> DNA
<213> Homo sapiens

<400> 640
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tcagcatcac atggaggggt tgttaaaaca gatttctggg cccaacaca gagttttaaa 120
ttctgaaggc ctgaggtggg tgtgaacatt tgcatttcta acatgttctc gatgctgctg 180
cgcctcttg tcccagagac atgcctggag aactgccacc ttcgaccatg gactgtgaga 240
attcacatgg acctcagaat tataatcagt ctctcagttt tacagataag gaaactaaat 300
ccagagagat tgttttgcca atggtgaaca gctgggttaa gtcaggatgg agactttaat 360
cctagtcaag tgacctttcc tctgtattta tttccc 396

<210> 641
<211> 396
<212> DNA
<213> Homo sapiens

<400> 641
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gctctgttgc ctgggctgga gtgcagtggt gtgatcttgg ctgctgcaa cctccgcctc 120
ccaggttcaa gtgattctcc tgcctcagcc tctgagtag ctgggattac aggtgcttgc 180
caccacacct ggctatttkt tgtgttttta gtagagacag ggtttcacca tgttggccag 240
gctggtcttg aactcctgac cttgtgatct gcctgcctca gcctcccaa ttgctgggat 300
tacaaggcgt gttgttttaa gccactcagt ttgtggccac ttgttacagc agcaagagga 360
aactcataca gttatcatgt gaactcacag gaatat 396

<210> 642
<211> 396
<212> DNA
<213> Homo sapiens

<400> 642
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tcagtttgtg gccacttggt acagcagcaa gaggaaactc atacagttat catgtgaact 120
cacaggaata tgggtgagta aaaagagagg aagggtgcaa aacatccacg gtagagttag 180
aactctccag ggagtgagra ctgtgccag catacagtga tcaccctctt agtaagctaa 240
gtttctgagc accagctttt ttgagttgac tttgttgtct ttaacatttg aagatcacc 300
ttctttgctc agcctggctt gcagacctgg gctgatttgt ggatctgata gaaaagtctc 360
cttagttggg ctcttctccc cgaccacccc catgcc 396

<210> 643
<211> 396
<212> DNA
<213> Homo sapiens

<400> 643
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tggccacttg ttacagcagc aagaggaaac tcatacagtt atcatgtgaa ctcacaggaa 120
tatggtgagt taaaaagaga ggaagggtgc aaaacatcca cggtagagtg agaactctcc 180
agggagttag gactgtgcmc agcatacagt gatcaccctc ttagtaagct aagtttctga 240
gcaccagctt ttttgagttg actttgttgt ctttaacatt tgaagatcac ctttctttgc 300
tcagcctggc ttgcagacct gggctgattt gtggatctga tagaaaagtt tccttagttg 360
ggctcttctc ccgcagaccac cccatgccag tgtggc 396

<210> 644
<211> 396
<212> DNA
<213> Homo sapiens

<400> 644
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atctcaagga gggtcaaagg gcaggctttt tgttgaaagg actttgctg acctctggct 120
cccatctgtg aagccctgga gaggtgagag ccctcgggag gccgtgttc aggcagtctc 180

tgcacccgtg	cagagcgert	gtgataatgc	attgctaattg	cttgctccct	ggtaggctggc	240
tgagagctgc	tgtgctgaca	aggggtgggtt	aaggctaaat	gtgactcaga	atccttaagc	300
agtgttagtt	cagatacaag	ggcattataa	atgagagtgc	ctgagggatc	tatttttggga	360
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<210> 645
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 645						
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gagttgattt	aacattgagt	ggaaatcagt	catacttttg	gtcccctttc	ggggccacgc	120
ctggcactgt	gcctgggtggc	agatcggcat	gaactggcca	gcttctgtgg	ccctggaggg	180
cacaggcaga	aaggccacrc	tcagtcccat	gatgaactgt	ttaagactta	ttgttgtctc	240
cccgtctctg	aaagtagata	gagtggattt	tatgtccctt	attacctttc	aggatacttt	300
gactcaggga	gataaagtaa	cttgggtaca	gctactcagc	tggtgaagaa	cacaggcaga	360
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<210> 646
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 <212> DNA
 <213> Homo sapiens

<400> 646						
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cagaaaggcc	acactcagtc	ccatgatgaa	ctgtttaaga	cttattgttg	tctccccgct	120
ctgtaaagta	gatagagtgg	attttatgtc	ccttattacc	tttcaggata	ctttgactca	180
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ttacataata	aatatatatt	gaagagctac	tctgtgccaa	gccctgtgcc	tagatataca	360
gtgataaata	aagagtagct	tctagaggtc	acctgg			396

<210> 647
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 647						
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ctcctgagtt	aaataggaaa	catgtctcgc	attacttgaa	aaatcaagtc	aaactatgct	180
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ggatatttct	gtcaaaacaa	gctttgtcat	tgccagcaga	caaaagcatc	agtaaccttg	360
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<210> 648
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 648						
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gccattttcc	accataatc	tctgttagct	catgttcaat	tgggttccca	ttgaaagaaa	360
aatggaccag	taagttggag	cagaatcatt	cagatg			396

<210> 649
 <211> 396

<212> DNA
<213> Homo sapiens

<400> 649
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taggaataaaa gtagactgta gaattttttt tagcagaaaag gaaacccaaa gataattcta 120
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cgaacatcag aatttttagkg gctggatttg taccctcctg gtgccagcag ccactttccc 240
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tctctgttag ctcatgttca attgggttcc cattgaaaga aaaatggacc agtaagttgg 360
agcagaatca ttcagatggg ataacataag gaaaaa 396

<210> 650
<211> 396
<212> DNA
<213> Homo sapiens

<400> 650
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aaaaagctag aatgcagagg gaatctcctt cccaaaaagc tagaatgcag agggaatctc 180
cttcccaaaa ggctagaayg cagagggaat ctccctccca aaaagctaga atgcagaggg 240
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agagggaatc tccttcccaa aaggctagaa tgcagaggga atgtccttct cttctaaatg 360
gtagctgtta gttcaagaaa ggttaaacad tgtgct 396

<210> 651
<211> 396
<212> DNA
<213> Homo sapiens

<400> 651
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ggagagagaa cgcagaggta ggtaactggg actactaaag aactgtggag cgattcctga 120
tttttgagca ggaagagtga caattcaaaa cagtatttga ctagattcac ggctccgtag 180
catccccttg ggtgggagsg ggaaggctga ctaggacctc tgattcttct ttccctgagc 240
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tccgcattgg gctggctttc aaagggtgct tcagtgtgtt ttgctgcacg tgccttgacg 360
ccccacaccc tgcactcccg ccctgcagag tctggc 396

<210> 652
<211> 396
<212> DNA
<213> Homo sapiens

<400> 652
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gtatttgact agattcacgg ctccgtagca tccccttggg tgggaggggg aaggctgact 180
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agtgtgtgtt gctgcacgtg ccttgacagc ccacaccctg cactcccgcc ctgcagagtc 360
tggcgctgga atgacatttt aggtctgggt tcccg 396

<210> 653
<211> 396
<212> DNA
<213> Homo sapiens

<400> 653
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tggatcacct gaggtcagga gtttgagacc agcctggcca acatggtgaa accccgtctc 180

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<210> 654

<211> 396

<212> DNA

<213> Homo sapiens

<400> 654

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aaaactccat	ctcaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	gatgcagaca	cgagactgtg	180
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cagcacagta	ccttcctgac	atctggacta	ggaaatctag	atcttagtaa	aatacatgct	300
aatacttaca	gaagaaatgt	cggcggttaga	gtatgccgtc	agttccttag	agattgcaat	360
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<210> 655

<211> 396

<212> DNA

<213> Homo sapiens

<400> 655

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cacagtacct	tcctgacatc	tggaactagga	aatctagatt	ttagtaaaat	acatgctaata	180
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taatgcacta	gtatgggttc	aggtgccagg	aacacgttct	gtgaggctgc	tgccccagggt	300
gctgacccca	gccttccaca	ccattttcct	tccttggtgt	cacagccgct	ctgtctttta	360
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<210> 656

<211> 396

<212> DNA

<213> Homo sapiens

<400> 656

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acatctggag	taggaaatct	agatttttagt	aaaatacatg	ctaatactta	cagaagaaat	180
gtcggcgtta	gagtatgcyg	tcagttcctt	agagattgca	attcctaattg	cactagtatg	240
gtttcagggtg	ccaggaacac	gttctgtgag	gctgctgccc	cagggtgctga	ccccagcctt	300
ccacaccatt	ttccttcctt	gtgttcacag	ccgctctgtc	ttttacaata	gcacccctct	360
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<210> 657

<211> 396

<212> DNA

<213> Homo sapiens

<400> 657

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tagtggctaa	tggtctctat	gattagatag	catccttcag	tagtgataaa	ggcagtgaca	180
tcctagggag	gtcagcggt	gaaagcgcta	tatctggaaa	acctgagagc	ctgtgaagct	240
caaggacttg	acgggggttag	accgtgagcc	gggctgcagc	tggaaaaaga	atgactgttc	300
tttcagcaga	tccttccttg	tgccatctct	ttcttcattc	ctctctagt	gcattcttat	360
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<210> 658

<211> 396

<212> DNA
<213> Homo sapiens

<400> 658
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agctgcttta attccgagac catctgcaga acatgacaaa atttgtccac ctaccacat 180
gtccttttaa ctttaaagrc ttactaact gattcctatt agggaatgaa cagagggtggc 240
aaaaataaac aataggagat tgatttacaa gaaatcttta aaatagtaga tttcttcgga 300
cctcattgaa atataaatgg cctgccttct tgtgtccctc cctgggtctcc ctcttttaggt 360
gataagaaga agatcctgcc agccccataa cccgcc 396

<210> 659
<211> 396
<212> DNA
<213> Homo sapiens

<400> 659
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tctgcgcggg ttctagacct ccttctcttc cctctgggcc gtggtaggca ttactgatga 180
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aatgtctaag cctaacttag accaaaatac ggcctgatat agatgcaagc cagaggggct 360
ttatgggttaa atgcaaggag attttcaacc ctgccg 396

<210> 660
<211> 396
<212> DNA
<213> Homo sapiens

<400> 660
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tggtgtctct tcttccagag accaaacctg gcctcggaat ccttcttaac acagatactg 180
cttaacacaa ccactctgrg cagctgtcat aagtagaagt aatagatact agaagaaatg 240
tctaagccta atctagacca aaatacggcc tgatatagat gcaagccaga ggggctttat 300
ggttaaatgc aaggagattt tcaaccctgc cgtctagaag ctacttgctg agatcttctt 360
cagttgggcc catctctctc ccaggcctct cttctg 396

<210> 661
<211> 396
<212> DNA
<213> Homo sapiens

<400> 661
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gcattactga tgaatcatgg tgctcttct tccagagacc aaacctggcc tcggaatcct 120
tcttaacaca gatactgctt aacacaacca ctctgagcag ctgtcataag tagaagtaat 180
agatactaga agaaatgtmt aagcctaata tagacaaaa tacggcctga tatagatgca 240
agccagaggg gctttatgg taaatgcaag gagattttca accctgccgt ctagaagcta 300
cttgctgaga tcttcttcag ttgggcccac ctctcccca ggcctctct ctgttctctg 360
gctatgtcac acttggaact tgcagacacc taatgc 396

<210> 662
<211> 396
<212> DNA
<213> Homo sapiens

<400> 662
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aatccttctt aacacagata ctgcttaaca caaccactct gagcagctgt cataagtaga 120
agtaatagat actagaagaa atgtctaagc ctaatctaga ccaaaatacg gcctgatata 180

gatgcaagcc	agaggggck	tatgggttaa	tgcaaggaga	ttttcaaccc	tgccgtctag	240
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tccctgggcta	tgtcacactt	ggactctgca	gacaccta	gctcttggga	cctgctttag	360
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<210> 663
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 663						
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gaccaaaata	cggcctgata	tagatgcaa	ccagaggggc	tttatgggta	aatgcaagga	180
gattttcaac	cctgccgtyt	agaagctact	tgctgagatc	ttcttcagtt	gggcccatt	240
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atgctcttgg	gacctgcttt	agttcttgac	ctcaccaacc	gaggaggaat	tgctagatga	360
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<210> 664
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 <212> DNA
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<400> 664						
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acacttgga	tctgcagaca	cctaata	ttgggacctg	ctttagttct	tgacctcacc	180
aaccgaggag	gaattgctmg	atgagatcct	tcccccgga	tttctctctt	gaacccaga	240
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atccttgatc	cagtgggtag	ggaagacatt	ccataatgaa	tgccccagtc	tgagcttctt	360
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<210> 665
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 665						
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aatcttgggt	tcttccccrt	tcatttaagc	tattacctgg	gcctgaactc	aatggcacct	240
ggcaccaact	ggcaactgac	tcttgggtct	ttattaccta	ccttccctag	caggcactgg	300
gttgctccct	cttccctatc	catggagtcc	tgctcctctg	tggggctcct	actgatcctc	360
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<210> 666
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 666						
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gctccctctt	cctatccct	ggagtcctgt	cctctgttgg	ggctcctact	gacccctctg	240
gcaatatgaa	gttctcagct	caatgggtgg	tgggcaatga	ctgccaaact	ttgaggccaa	300
tgaactcagg	ttacccccact	cctcctcctc	ctgagttgct	cactcactcc	tcattcactc	360
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<210> 667
 <211> 396

<212> DNA

<213> Homo sapiens

<400> 667

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ccaactggca actgactctt ggtcttttat tacctacctt ccctagcagg cactgggttg 180
ctccctcttc ctatcccayg gagtcctgtc ctctgttggg gctcctactg atcctcttgg 240
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gaactcaggt taccctactc ctccctctcc tgagttgctc actcactcct cattcactca 360
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<210> 668

<211> 396

<212> DNA

<213> Homo sapiens

<400> 668

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tcctgagttg ctactcact cctcattcac tcaacattga ttcagtagat atttgctacc 360
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<210> 669

<211> 396

<212> DNA

<213> Homo sapiens

<400> 669

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cctggcacca actggcaact gactcttggg tttttattac ctaccttccc tagcaggcac 60
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tgctgaagga gtaacagtga acatgacgga gtctttgtcc ccaaggagac ccaagggtgc 360
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<210> 670

<211> 396

<212> DNA

<213> Homo sapiens

<400> 670

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ctggcaactg actcttgggtc ttttattacc taccttccct agcaggcact gggttgctcc 60
ctcttctat cccatggagt cctgtcctct gttggggctc ctactgatcc tcttggcaat 120
atgaagtctc cagctcaatg gtgggtgggc aatgactgcc aactcttgag gccaatgaac 180
tcaggttacc ccactcctyc tctcctgag ttgctcactc actcctcatt cactcaacat 240
tgattcagta gatatttgc acctgctctg tgccaggtag caggtcagtt gctgaaggag 300
taacagtga catgacggag tctttgtccc caaggagacc caagggtgct cctagagcca 360
ggggcacatt gcaagaccaa atatattcaa cttacc 396

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<210> 671

<211> 396

<212> DNA

<213> Homo sapiens

<400> 671

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ccatggagtc ctgtcctctg ttggggctcc tactgatcct cttggcaata tgaagttctc 60
agctcaatgg tgggtgggca atgactgcca actcttgagg ccaatgaact caggttacc 120
cactcctcct cctcctgagt tgctcactca ctccctattc actcaacatt gattcagtag 180

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atatttgcta cctgctctrt gccaggtacc aggtcagttg ctgaaggagt aacagtgaac 240
atgacggagt ctttgtcccc aaggagaccc aaggtgtctc ctagagccag gggcacattg 300
caagacaaaa tatattcaac ttacaaaaat aatcatagac ctagttctca aaaagcaaga 360
agactgattc ctcgttgtca tttctcctcc tcagca 396

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<210> 672
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 672
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aaagcgaaac ccaccaaaca acagtattag aatcatctgt ggtgcttatt aaagatacag 180
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ttgcattctc agatgattct gcattctcag ataacacatt ctttaggtga ttcttacaca 300
cactggagtt tgggaatcgc tgaaggctgt tcacttctct tttctgagaa atgattcatt 360
catttcagaa atatttgca aggtccttat ttattg 396

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<210> 673
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 673
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tttcaattcc cttaccagca ctagcagggg actctgtact catctgctgg cgctgccata 180
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gcttatagag tgccaccttc tacctgtgtc ttcacatcat cacctcactg agcatgtctg 360
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<210> 674
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 674
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gccacaaca cccctctttg ggatgtttat tttccccctt aaggagctag ttaggatgtc 300
ttatctcatg aacatgactg tgaacaggaa aacagggaga gaatgaagct ggccaaggaa 360
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<210> 675
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 675
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cagctagcag tgcttttctg atgtgagtggt gtcccacagg gagcttgta aaatgcagat 300
tctgattcat taggttccag agggacctga gatttcccat ttctgacaag tttccagtgt 360
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<210> 676
<211> 396

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<212> DNA

<213> Homo sapiens

<400> 676

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<210> 677

<211> 396

<212> DNA

<213> Homo sapiens

<400> 677

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acttaagccc agaagactga ggttgcaagt agccgagatt gcaccactgc actccagctt 60
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aaaccaagtc tctccctcca ctcaaaaatg caagggcctg tctccattg ctgggtgccc 180
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<210> 678

<211> 396

<212> DNA

<213> Homo sapiens

<400> 678

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caaaaatgca agggcctgtc tcccattgct gggtgcccag gtctcatgaa tgtagatatg 120
aattattcca gtcagcctca ggagaataga atgagccctc agatgccgaa gcacctttca 180
gattccaccg gttttatcrg ctcatTTaaa cttcacttct aacacagtcc tgcattacac 240
acgtgtctgt cgttatgggc agctgcagag agggctctta tggctctaata gctcagtgcg 300
gatgcccaat ggtcaacaga acctgccatc ttcaggccat caaggagctc tggagttaag 360
gaaatcatga gagcacagag gggcgggtac agcaga 396

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<210> 679

<211> 396

<212> DNA

<213> Homo sapiens

<400> 679

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tgcattacac acgtgtctgt cgttatgggc agctgcagag agggctctta tggctctaata 180
gctcagtgcg gatgcccart ggtcaacaga acctgccatc ttcaggccat caaggagctc 240
tggagttaag gaaatcatga gagcacagag gggcgggtac agcagagccc tcgtggtaata 300
ggggttttgag gtctaggctc tcttcacttg ggtttgaaat aagttcaatg actagtaata 360
gctgagacac ttctaccctt caaatgaagt aaatgg 396

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<210> 680

<211> 396

<212> DNA

<213> Homo sapiens

<400> 680

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tgctcagtga ggatgccc aa tgggtcaacag aacctgccat cttcaggcca tcaaggagct 180

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ctggagttaa	ggaaatcawg	agagcacaga	ggggcgggta	cagcagagcc	ctcgtggtaa	240
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agctgagaca	cttctaccct	tcaaataaag	taaatgggaa	aatggagcat	tgttgagtcc	360
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<210> 681

<211> 396

<212> DNA

<213> Homo sapiens

<400> 681

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aaggaaatca	tgagagcaca	gaggggaggc	tacagcagag	ccctcgtggt	aatgggtttt	180
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cacttctacc	cttcaaataa	agtaaataag	aaaatggagc	attgttgagt	ccaggagct	300
ataattttaa	ccccatatat	ctaaaagggg	taacattttt	gtgtgtgtga	aattggtgtc	360
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<210> 682

<211> 396

<212> DNA

<213> Homo sapiens

<400> 682

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ccaccatctc	ccctctactt	ctcattccct	aactctctgc	tgaatatggg	gttggtgttc	180
tcatctaata	aataacctaya	agtcatacata	attcagctct	tgagagcatt	ctgctcttct	240
ttagatggct	gtaaatctat	tggccatctg	ggcttcacag	cttgagttaa	ccttgctttt	300
ccgggaacaa	aatgatgtca	tgtcagctcc	gccccttgaa	catgaccgtg	gccccaaatt	360
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<210> 683

<211> 396

<212> DNA

<213> Homo sapiens

<400> 683

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ttgctttttc	gggaacaaaa	tgatgtcatg	tcagctccgc	cccttgaaca	tgaccgtggc	180
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tgttttgtga	ccagggtttg	gttttcttaa	aataaaatgc	agagacatgt	tttaagctga	300
tagttgaggg	gttttggtta	tggcttttgg	gggatttatc	tctataccca	caaacgacta	360
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<210> 684

<211> 396

<212> DNA

<213> Homo sapiens

<400> 684

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aggcagggtg	atcacttgag	gtcaggaatt	aagaccagcc	tggccaatat	ggtgaaagcc	180
tgtctgtact	aaaaatacra	aaattagcca	ggtatgctgg	tggatgctta	taatcccagc	240
tacttggggag	gttgagggcag	gagaattgct	tgaacccggg	aggtagaggt	tgcatgagc	300
caagatcatg	ccactgcact	ccagcttggg	caacagagtg	agactccatc	tcaaattaaa	360
aaaaatacac	atctgggctt	tggaaaaaatt	acttga			396

<210> 685

<211> 396

<212> DNA
<213> Homo sapiens

<400> 685
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cacacagcca tgtgaattag gttgggtatct tcatatacta gcatcgtgcc cagcacttcc 180
atgtttataca gtttaaaakg ttctgtaatt ccctgtggga acctaagata atgcgaggac 240
cgtcatacgt gcccccaaat attggcaaac caatgaataa atgaatgaat gagtttatga 300
atcgctaact ggctgtatct aatgaagtat gtgtgttgag ccatttccca cagtgtggac 360
agatttgtcc cacaatatgg gcctcttccc aaaggc 396

<210> 686
<211> 396
<212> DNA
<213> Homo sapiens

<400> 686
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cagcacttcc atgtttataca gtttaaaatg ttctgtaatt ccctgtggga acctaagata 180
atgcgaggac cgtcatacrt gcccccaaat attggcaaac caatgaataa atgaatgaat 240
gagtttatga atcgctaact ggctgtatct aatgaagtat gtgtgttgag ccatttccca 300
cagtgtggac agatttgtcc cacaatatgg gcctcttccc aaaggcccta ccacctaata 360
ccatcacact ggggatttga tttcaacatg tgaatt 396

<210> 687
<211> 396
<212> DNA
<213> Homo sapiens

<400> 687
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cttatagggg agccattcat caggattgaa ctctcaatcg agctggacag taatagggtg 180
gtctgtgtta ttccccagrt gagtatcatg acagtcacaa tcctaggaag gatgtgaagc 240
tcccccagc tctctccag ttgcctgctt gggcagcaga gatgatggaa tgtggagtct 300
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tcaattcaag ggagagggcc tgaatgagcc ttgctt 396

<210> 688
<211> 396
<212> DNA
<213> Homo sapiens

<400> 688
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aacagagaag ccagctctta taggggagcc attcatcagg attgaactct caatcgagct 120
ggacagtaat aggtgggtct gtgttattcc ccagatgagt atcatgacag tcacaatcct 180
aggaaggatg tgaagcctyc cccagctctc ctccagttgc ctgcttgggc agcagagatg 240
atggaatgtg gagtctggcg tggctctgagg cctgaatcca tgtgcctcat gtatgatgct 300
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tgtctgatgg tccaggctga agccctcct ggcttg 396

<210> 689
<211> 396
<212> DNA
<213> Homo sapiens

<400> 689
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tctcaattca agggagaggg cctgaatgag ccttgctttc caggcctgtc tgatgggtcca 120
ggctgaagcc cctcctggct tgcactgcca gacctcatcc agcaggagct ccttggcatt 180

gactgcttca	ggatagttsc	ttctgctctg	agtgetctct	aaagagcagt	gctctaccat	240
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aagtggcccc	caggccttct	catgcctggg	cttggtttgg	aagggtggca	gggatcaat	360
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<210> 690

<211> 396

<212> DNA

<213> Homo sapiens

<400> 690

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aggggaaggca	tgggacattg	caggatggaa	gtggccccc	ggccttctca	tgcctgggct	120
tggtttggaa	ggtggtcagg	tgatcaataa	tcctgattgg	cctggcattg	aggagtttcc	180
ctgggatgtg	gtcctttcr	ttttttaaaa	attattttta	ttgatacaca	tatttgtagg	240
tatttgtagg	gtgcatgtga	tactttatta	tgtgtgtgga	ttgtgtaatg	atgaagtcag	300
ggcatttagg	gtcttcatca	ccttgattat	catttctatg	tgttgagaac	atttcaagtt	360
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<210> 691

<211> 396

<212> DNA

<213> Homo sapiens

<400> 691

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caccttgatt	atcattttcta	tgtgttgaga	acattttcaag	ttctcagttc	cagctatttt	120
gaaatagaca	gtccattttg	ttagctacag	tcacccaacc	cggctgtcag	acattggaac	180
ttactcctat	tgaactgtrt	atttgtaccc	attcaccaaa	ctctcttttg	gctttcagtt	240
ttacaactgg	gatgatcctg	ggaaaactaa	agtaaactcag	acacccgacg	tgtgagctag	300
gttataatat	gcccagtgga	ccctggggac	atcttagctt	tcagaggtca	tgctgtccaa	360
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<210> 692

<211> 396

<212> DNA

<213> Homo sapiens

<400> 692

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gtccattttg	ttagctacag	tcacccaacc	cggctgtcag	acattggaac	ttactcctat	180
tgaactgtgt	atttgtacyc	attcaccaaa	ctctcttttg	gctttcagtt	ttacaactgg	240
gatgatcctg	ggaaaactaa	agtaaactcag	acacccgacg	tgtgagctag	gttataatat	300
gcccagtgga	ccctggggac	atcttagctt	tcagaggtca	tgctgtccaa	gctgactgtg	360
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<210> 693

<211> 396

<212> DNA

<213> Homo sapiens

<400> 693

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agaagggtggg	gagaggaaat	gatgcaatgg	cccatcagag	gcactacttg	gggcctgggg	180
ccagagtgc	tgtctaagsc	attaagggga	ggggagagca	gccttcataa	ttatgaagag	240
gagtctcagg	tgcacagctt	ctgatgaggg	acagcttcta	attgaagaca	gcattgtgta	300
atgctcaaac	tcctgtctt	cagagtgcct	gctgtatccc	accatcagtt	ctgtgacttc	360
tccttaagcc	tcaattttgc	atgtgttaca	ttggga			396

<210> 694

<211> 396

<212> DNA
<213> Homo sapiens

<400> 694
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tcagctgaag ctcaggattc tcttccaagc tcaactggtg ttggcagaat tcagttcttt 180
ccagttggaa gactaaagyc tacagtcttc agtctctaga agccttttct ctggcacagg 240
tttctctaca acatggccat ttatgtcttt aaggccaata ggagaacatg attagcatat 300
tttttttaag tgaactttag accctttttt aaaggcctat ctgattaggc caggcccaag 360
tgagctttaa gtcaactgat tagagatctt aattac 396

<210> 695
<211> 396
<212> DNA
<213> Homo sapiens

<400> 695
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ataacataac ttagtgaaaag gagtgaatt gcaaccagg tctgcctgca ctccacggaa 360
ggggattctg cagaagtgtg ggtcacggg gggta 396

<210> 696
<211> 396
<212> DNA
<213> Homo sapiens

<400> 696
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aaagtccct catgtttacc gtataacata acttagtgaa aggagtgaat ttgcaaccag 180
gttctgctg cactccacrg aaggggattc tgcagaagtg tgggtcacgg gggggttatt 240
ttgggattct gctacgtca ctgagtcaaa agaagctgaa tggttgtgat gctgaggttt 300
ttgggcagca gcagtgtgtg tgtgtgagtg aattcatacg tatgaccacc tgggaagaaa 360
ggaggctgtg gtttcctcca cctcctggca gacaga 396

<210> 697
<211> 396
<212> DNA
<213> Homo sapiens

<400> 697
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gctcccaaa gtgctgggat tacagacgtg agccaccatt aaccattttt ctatctcctg 180
tgggaaaggg cacagtgara gaacagatga agctgagaca tacaagtga ctctccctc 240
ctctccattt agactaaaat aggattattc atactgagat tctccctggg tgcaaagaga 300
taatctgtgc aactgggttt ttacaattat ccctacccta tgctttcctc atctgtcttc 360
ctcgtagtca gctcaggctg ctataacaaa acacca 396

<210> 698
<211> 396
<212> DNA
<213> Homo sapiens

<400> 698
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tttctctctc tctctctttt tttttttttt aataagggtca ctatcttagt ccatttttgt 180

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ttgctaaaag gaacatctra ggttgagtaa tttatTTTTat tttaaaaagt ggccaggcat 240
ggaggcttat cctgtaaccc taatccttta ggaggccaaa acagcaggat tgtttgaggc 300
caggagttca agaccagcct aggcaagata gtgagacccc atctacccca tctctactaa 360
aattttaaaa aattagctgt gtgttgtaaa gtgtgc 396

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<210> 699
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 699
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taggaggcca aaacagcagg attgtttgag gccaggagtt caagaccagc ctaggcaaga 120
tagtgagacc ccatctaccc catctctact aaaatttttaa aaaattagct gtgtgttgta 180
aagtgtgctt gtagtcccrG ccacttgaga ggctgagggtg ggtggagttc aaggctgcag 240
tgagttatga ttgagccact gcactccaac ccgggtaacg gggcaagacc ttgtctctat 300
ttaaaaaaaaa aaaatcttta tgtggctcac tattctgggt ggctggaaaG ttcaagattg 360
ggcatctgca tctggtgaca gcctcatgtc gcttcc 396

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<210> 700
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 700
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agctgtgtgt tgtaaagtgt gcttgtagtc ccggccactt gagaggctga ggtgggtgga 180
gttcaaggct gcagttagwt atgattgagc cactgcactc caaccgggt aacggggcaa 240
gaccttgtct ctatttaaaa aaaaaaaaaatc tttatgtggc tcactattct ggggtggctgg 300
aaagttcaag attgggcac tgcactctgg gacagcctca tgtcgcttcc agtcatgggg 360
gaagacgaag gagagctggc acgtgcagat atcacg 396

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<210> 701
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 701
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ctgcagttag ttatgattrA gccactgcac tccaaccgg gtaacggggc aagaccttgt 240
ctctatttaa aaaaaaaaaa tctttatgtg gctcactatt ctgggtgggt ggaaagttca 300
agattgggca tctgcatctg gtgacagcct catgtcgctt ccagtcattg gggaaagacga 360
aggagagctg gcacgtgcag atatcacgtg ttgagg 396

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<210> 702
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 702
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aacggggcaa gaccttgtct ctatttaaaa aaaaaaaaaatc tttatgtggc tcactattct 180
gggtggctgg aaagttcarg attgggcac tgcactctgg gacagcctca tgtcgcttcc 240
agtcatgggg gaagacgaag gagagctggc acgtgcagat atcacgtgtt gagggcagaa 300
gagagagaga gaggggagag atgccaggct ctttttaaca accagcactg gggaaactaa 360
tagagtgaga gctcactgac tcctgaggggA ggacat 396

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<210> 703
 <211> 396

<212> DNA
<213> Homo sapiens

<400> 703
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gagagagagg ggagagatgc caggctcttt ttaacaacca gcactgggga aactaataga 120
gtgagagctc actgactcct gagggaggac attaatctat tgatgagcga cctgcctcca 180
tgacccaaac acctccaayg ataccccacc tccaacactg ccacactagg gattaacttt 240
caacttgaga tttagagggg ggaaacttac aaactatcgc aggcactaat accactcatg 300
agggctccac cttcatgacc taatcacttc ctaaaggcct tacctcttaa tctcatcaca 360
ttgaggattc gatttcaact tgaattttgg ggggac 396

<210> 704
<211> 396
<212> DNA
<213> Homo sapiens

<400> 704
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gcaaagcatc ctctacagaa cctgtcttaa aacatgaaag ttccttagtg ctacccccag 360
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<210> 705
<211> 396
<212> DNA
<213> Homo sapiens

<400> 705
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gcatcctcta cagaacctgt cttaaaacat gaaagtccct tagtgctacc cccagaggta 360
tgatttggtg ggtcaaggat agggcctgga aattca 396

<210> 706
<211> 396
<212> DNA
<213> Homo sapiens

<400> 706
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attgcacacc ggagtttgaa gagttaatac aaagaaaaag gaatgcaaaa catctcatta 300
ataatgcttt acactgatta catattgaaa tggtaatctt gtagatatag tgcgttaaat 360
aaaatatact gttaggctta atttcacgtc tttata 396

<210> 707
<211> 396
<212> DNA
<213> Homo sapiens

<400> 707
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gcatatgcat ttgggtcctc aatgtcagca ctatggcaac cagaacatgg ccacaataac 120
tgtctggaaa tgtctattct tacctggacc cagcaggcca tgccccactg attatataat 180

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aagacagcat cctcatgaat gggattagtg tccttataaa ataggcccaa gggagctcat 360
tcactttgtc caccatgtga gaacacagcg agaggg 396
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<210> 708
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 708
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ttgtttttta taagccacca aatctatggg tttttttata gaaaccgtaa tggactaaaa 360
cactccctaa ttatatttaa acttatcagt gcactg 396
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<210> 709
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 709
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aaattaattt gttttttata agccaccaa tctatgggtt tttttataga aaccgtaatg 300
gactaaaaa ctccttaatt atatttaaac ttatcagtgc actgggcagt gacatattaa 360
aagaatgctg gccaacgtaa ttgacaccat aaggct 396
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<210> 710
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 710
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tttgcccttc ctcccacccc catgtttact actcttattt ctcttttgta ttgttgtgtt 360
ggaagcacag catcagaaaa actcccagtt ttgaga 396
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<210> 711
 <211> 396
 <212> DNA
 <213> Homo sapiens

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<400> 711
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taaagaggaa aaaaacagac aaaaaaatcc atatga 396
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<210> 712
 <211> 396

<212> DNA
<213> Homo sapiens

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aagtagccat tttttttgmc cttcctccca ccccatgtt tactactctt atttctcttt 240
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aaagaggaaa aaaacagaca aaaaaatcca tatgaa 396

<210> 713
<211> 396
<212> DNA
<213> Homo sapiens

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tgagaaagga gaagaggayg ccaccgtgag gtccaggacg taaaggaggaa aaaaacagac 240
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actggtctaa cagaggatcc ttgtttcaag gaggct 396

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<211> 396
<212> DNA
<213> Homo sapiens

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caccgtgagg tccaggacrt aaagaggaaa aaaacagaca aaaaaatcca tatgaaatga 240
aaatgtgaaa gaggcgcttt cgagcagatg agtggtgtag attacagtgt tgagagctgt 300
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tgtttcaagg aggctgcctt ttatttgagg ggacaa 396

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<211> 396
<212> DNA
<213> Homo sapiens

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tcacttaaac ctgagaaagg agaagaggat gccaccgtga ggtccaggac gtaagagga 180
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gcgggataaa cactggtcta acagaggatc cttgtttcaa ggaggctgcc ttttatttgg 360
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<210> 716
<211> 396
<212> DNA
<213> Homo sapiens

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gtaagagga aaaaaacaga caaaaaatc catatgaaat gaaaatgtga aagaggcgct 180

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ttcgagcaga tgagtgttrt agattacagt gttgagagct gtttgtgtcc agagctgctt 240
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<212> DNA

<213> Homo sapiens

<400> 717

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gtgtccagag ctgcttgcyg cacctggcgg gataaacact ggtctaacag aggatccttg 240
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ctgctgccag aaatagtcaa ggatagaaag gaagga 396

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